Application or Docket Number PATENT APPLICATION FEE DETERMINATION RECORD 1533.1100001/SRL/RS Effective October 1, 2000 **CLAIMS AS FILED - PART I** OTHER THAN SMALL ENTITY (Column 1) (Column 2) TYPE [SMALL ENTIT OR **TOTAL CLAIMS** RATE FEE RATE FEE OR BASIC FEE NUMBER EXTRA **BASIC FEE** 355.00 710.00 FOR NUMBER FILED TOTAL CHARGEABLE CLAIMS 30 minus 20= 10 X\$ 9= X\$18= 180 OR INDEPENDENT CLAIMS minus 3 = 0 X40= X80= OR MULTIPLE DEPENDENT CLAIM PRESENT +135= +270= OR * If the difference in column 1 is less than zero, enter "0" in column 2 990 OR TOTAL TOTAL **CLAIMS AS AMENDED - PART II OTHER THAN SMALL ENTITY** SMALL ENTITY OR (Column 1) (Column 2) (Column 3) HIGHEST CLAIMS ADDI-ADDI-⋖ REMAINING NUMBER PRESENT RATE TIONAL RATE TIONAL **PREVIOUSLY EXTRA AFTER** FEE FEE PAID FOR AMENDMENT W ENDM Minus 30 X\$ 9= X\$18= Total OR Minus Q Independent X80 =X40= OR FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM ÷270= +135= OR TOTAL OR ADDIT. FEE ADDIT, FEE (Column 3) (Column 1) (Column 2) HIGHEST CLAIMS ADDI-ADDI-REMAINING NUMBER 8 PRESENT RATE TIONAL RATE TIONAL **PREVIOUSLY** AFTER **EXTRA** ENDMENT AMENDMENT PAID FOR FEE FEE Total Minus X\$18= 0 X\$ 9= OR Minus Independent X40= X80 =OR FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM +270= +135= OR TOTAL OR ADDIT. FEE ADDIT, FEE (Column 3) (Column 2) (Column 1) CLAIMS HIGHEST ADDI-ADDI-REMAINING NUMBER PRESENT TIONAL TIONAL RATE RATE **PREVIOUSLY AMENDMENT EXTRA** AFTER PAID FOR FEE FEE AMENDMENT Minus Total X\$18= X\$ 9= OR A) Minus Independent X40= X80= OR FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM +270= +135= OR If the entry in column 1 is less than the entry in column 2, write "0" in column 3. TOTAL TOTAL OR 26(1)1)

" If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."

"If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3." The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

ADDIT. FEE

ADDIT. FEE

PATENT APPLICATION FEE DETERMINATION RECORD 826206 Effective January 1, 2003 **CLAIMS AS FILED - PART I** SMALL ENTITY OTHER THAN (Column 1) (Column 2) TYPE [SMALL ENTITY OR **TOTAL CLAIMS** RATE FEE RATE FEE OR BASIC FEE **BASIC FEE** FOR NUMBER FILED NUMBER EXTRA \$375 \$750 TOTAL CHARGEABLE CLAIMS minus 20= X\$ 9= X\$18=OR INDEPENDENT CLAIMS minus 3 =X42 =X84= OR MULTIPLE DEPENDENT CLAIM PRESENT +140= +280= OR * If the difference in column 1 is less than zero, enter "0" in column 2 TOTAL OR TOTAL **CLAIMS AS AMENDED - PART II** OTHER THAN SMALL ENTITY OR **SMALL ENTITY** (Column 1) (Column 2) (Column 3) HIGHEST CLAIMS ADDI-ADDI-REMAINING NUMBER PRESENT RATE TIONAL RATE TIONAL **PREVIOUSLY** AMENDMENT AFTER **EXTRA** PAID FOR FEE FEE AMENDMENT Total Minus X\$ 9= X\$18= 40 OR Minus Independent X42= X84= OR FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM +140= +280= TOTAL OR ADDIT. FEE ADDIT, FEE (Column 1) (Column 2) (Column 3) CLAIMS HIGHEST ADDI-ADDI-NUMBER REMAINING **PRESENT** RATE TIONAL **RATE** TIONAL AFTER **PREVIOUSLY EXTRA AMENDMENT** PAID FOR FEE FEE AMENDMENT Ø Total Minus X\$ 9= X\$18= OR Ø Independent Minus X42 =X84= OR FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM +280= +140= OR TOTAL TOTAL OR ADDIT. FEE ADDIT. FEE (Column 2) (Column 3) (Column 1) CLAIMS HIGHEST ADDI-ADDI-REMAINING NUMBER PRESENT. RATE TIONAL RATE TIONAL ENDMENT **PREVIOUSLY AFTER EXTRA** AMENDMENT PAID FOR FEE FEE Total Minus ** X\$18= X\$ 9= OR = Independent Minus X84= X42= OR FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM +280= +140 =OR * If the entry in column 1 is less than the entry in column 2, write "0" in column 3. TOTAL TOTAL ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20." ADDIT, FEE ***If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3." The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Application or Docket Number



PATENT

Attorney Docket No.: 030918

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: 1652

Examiner: Manjunath N. Rao

Title:

KETOGULONIGENIUM

In re application of

John D-Elia

SHUTTLE VECTORS

Serial No.: 09/826,206

Filing Date: April 5, 2001

AMENDMENT AND REPLY

April 19, 2004 Pittsburgh, Pennsylvania

09/13/2004 GTRANKS, 006/0001 11/110

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

This Amendment is being filed in response to the Office Action mailed from the U.S. Patent and Trademark Office on December 19, 2003 in the above-identified application. Reconsideration and further examination are requested.

An extension of time to respond to the Office Action is respectfully requested. A Petition for Extension of Time and the appropriate fee are being filed concurrently with this Amendment.

Amendments to the Claims are shown in the "Listing of the Claims" which begins on page 2 of this paper.

Remarks begin on page 7 of this paper.

Please enter the following amendments and remarks.

04/21/2004 GWDRDDF1 00000008 09826206

02 FC:1201

172.00 OP

PI-1154386 v1 0233040-0175

FEE FOR CLAIMS

4. The fee for claims (37 CFR 1.16(b)-(d) has been calculated as shown below:

(Col. 1)	(Col. 2)	(Col. 3)	(Col. 3) SMALL ENTITY			OTHER THAN A SMALL ENTITY		
CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDIT. FEE	OR	RATE	ADDIT. FEE	
TOTAL 41+	MINUS 37++	= 0	x 9=	\$0		x18=	\$ 0	
INDEP. 6	MINUS 3+++	= 3	x 43=	\$0		X86=	\$258.	
FIRST PRESENTATION OF MULTIPLE DEP. CLAIM			+130=	\$		+290=	\$ 0	
			TOTAL ADDIT. FEE	\$ 0	OR	TOTAL ADDIT. FEE	\$258.00	

- If the entry in Col. 1 is less than entry in Col. 2, write ")" in Col. 3.
- •• If the "Highest No. Previously Paid for" IN THIS SPACE is less than 20, enter "20."
- if the "Highest No. Previously Paid for" IN THIS SPACE is less than 3, enter "3."
 The "Highest No. Previously Paid for" (Total or indep.) is the highest number found in the appropriate box in Col. 1 of a prior amendment or the number of claims originally filed.

WARNING

"After final rejection or action (§ 1.113) amendments may be made cancelling claims or complying with any requirement of form which has been made." 37 CFR § 1.116(a) (emphasis added).

Complete (c) or (d), as applicable)

(c)		No additional fee for claims is required.
		OR
(d)	\boxtimes	Total additional fee for claims required \$_258.00
		FEE PAYMENT
5.	\boxtimes	Attached is a check in the sum of \$
		Charge Account No the sum of \$
		A duplicate of this transmittal is attached.

PATENT

Attorney Docket No.: 030918

Applicant believes that claims 1-14 and 17-43 define over the prior art of record and are in proper form for allowance. Applicant respectfully requests allowance of claims 1-14 and 17-43.

Respectfully submitted,

Jesse A. Hirshman Reg. No. 40,016 Attorney for Applicant

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Facsimile: 412.355.6501